

Amendments to the Claims:

Please amend the claims as follows:

Claim 1 (Currently Amended): A robot system comprising:

at least two segments;

joints for interconnecting the at least two segments;

drive units for actuating the at least two segments;

a controller for controlling the drive units; and

a bladder which is provided in at least one of the at least two segments, the joints, the drive units, and the controller and which is filled with a fluid, the fluid being of ~~higher~~ lower specific gravity than the outside environment.

Claim 2 (Original): The robot system according to claim 1, wherein a center of buoyancy differs from a center of gravity.

Claim 3 (Original): The robot system according to claim 1, wherein the robot system has a specific gravity of 1 or more relative to the outside environment.

Claim 4 (Original): The robot system according to claim 1, wherein the product of gravitational force and a distance between a ground point where the system comes into contact with the ground and the center of gravity is smaller than the product of buoyant force and a distance between the ground point and the center of buoyancy.

Claim 5 (Original): The robot system according to claim 1, wherein the bladder is formed in the segments.

Claim 6 (Original): The robot system according to claim 1, further comprising a regulator for regulating the amount of fluid filled in the bladder.

Claim 7 (Original): The robot system according to claim 1, further comprising a valve for filling the bladder with a fluid or releasing the fluid from the bladder.

Claim 8 (Original): The robot system according to claim 7, wherein the valve is a check valve for preventing outflow of the fluid from the inside of the bladder to the outside.

Claim 9 (Original): The robot system according to claim 1, wherein one of the segments constitutes a leg section, and buoyant force is greater than gravitational force so that the leg section can contact a ceiling.

Claim 10 (Original): The robot system according to claim 1, wherein one of the segments constitutes a leg section, and the leg section comes into contact with a water surface.

Claim 11 (Original): The robot system according to claim 1, wherein the bladder is formed from a flexible material.

Claim 12 (Original): The robot system according to claim 1, wherein the fluid pressure exerted on the inside of the bladder is variable.

Claim 13 (Original): The robot system according to claim 1, further comprising a transceiver for transmitting information to the outside and receiving information from the outside, and the robot system is constructed so as to enable remote control of the drive units.

Claim 14 (Original): The robot system according to claim 1, further comprising a power supply unit for supplying energy for driving the drive units.

Claim 15 (Original): The robot system according to claim 1, further comprising sensors for acquiring information about the inside and outside of the robot system.

Claim 16 (Currently Amended): A robot system comprising:
at least two bladders filled with a fluid being of lower specific gravity than the outside environment, ~~wherein the total weight of the system does not assume negative value.~~

Claim 17 (Original): The robot system according to claim 16, further comprising:
a joint which links the bladders together;
a drive unit for driving the joint; and
a controller for controlling the drive unit.

Claim 18 (Original): The robot system according to claim 16, wherein a center of buoyancy differs from a center of gravity.

Claim 19 (Original): The robot system according to claim 16, wherein the robot system has a specific gravity of 1 or more relative to the outside environment.

Claim 20 (Cancelled).

Claim 21 (Original): The robot system according to claim 16, wherein the bladder is formed in the segments.

Claim 22 (Original): The robot system according to claim 16, further comprising a regulator for regulating the amount of fluid filled in the bladder.

Claim 23 (Original): The robot system according to claim 16, further comprising a valve for filling the bladder with a fluid or releasing the fluid from the bladder.

Claim 24 (Original): The robot system according to claim 22, wherein the valve is a check valve for preventing outflow of the fluid from the inside of the bladder to the outside.

Claims 25-26 (Cancelled).

Claim 27 (Original): The robot system according to claim 16, wherein the bladder is formed from a flexible material.

Claim 28 (Original): The robot system according to claim 16, wherein the fluid pressure exerted on the inside of the bladder is variable.

Claim 29 (Cancelled).

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Claim 30 (Original): The robot system according to claim 17, further comprising a power supply unit for supplying energy for driving the drive units.

Claim 31 (Cancelled).